

From owner-qrp-l@Lehigh.EDU Mon Jun 10 09:07:56 1996  
From: kd7s@valleynet.com (Bill Jones)  
Subject: [9597] Capacitors - NP0 vs C0G  
Message-ID: <199606100400.VAA01550@valleynet.com>

Is there a difference between caps with a temperature coefficients of NP0 vs C0G?

=====  
Bill Jones - KD7S <><  
QRP-L Member #85  
Sanger, California  
Reply to kd7s@valleynet.com  
=====

From owner-qrp-l@Lehigh.EDU Mon Jun 10 09:07:56 1996  
From: tdrumm@sparc.isl.net (Tony Drumm)  
Subject: [9598] Cascade transmitter troubles  
Message-ID: <199606100408.XAA27286@sparc.isl.net>

Hi, folks. Thanks to all who've helped me so far...

Newest transmitter problems: I've attached the back panel and added the ground mod. I've also grounded the filter xtals. And I've retuned the BFO and VFO. Now, I sometimes get a high carrier signal - .5 to 1 watt. If I tap on the filter xtals, I can make it drop to the level I had been seeing (about 5 mW). Current draw increases to about 400-500 mA. Sometimes, the tapping causes the transmitter signal to drop entirely - no carrier and no modulation. Tapping again will usually restore it. It started the high carrier behavior before I added the grounds to the xtals and before I added the rear panel ground mod. I haven't noticed any strange receiver behavior along with this, but I'm usually running into the dummy load or using an unoccupied frequency when I play with the transmitter.

The transmit level still seems a bit low, even on 75m now although a good loud whistle will run the power meter up to 7 or 8 watts so it might be OK. Audio quality of the transmitter, listening on my Icom, is good. The BFO frequencies are both well above 9000 kHz to get copiable signals (9007 and 9004). I've rechecked most of the coil and transformer connections and all seem OK.

I don't have an RF probe for my DVM, but I may build one before long! Any ideas on where I should look? What might be causing the carrier problem?

Good news: I have the case nearly all painted and I have the "artwork" for the front panel ready to add (thanks to Bob Follett, WA7FCU). Had one minor

setback when the newspaper blew onto the front panel while it was still wet and the two became one!

72.

Tony Drumm  
Rochester, MN  
internet: tdrumm@isl.net  
Packet: aa0sm@wd0gnk.#semn.mn.usa.na

From owner-qrp-1@Lehigh.EDU Mon Jun 10 09:07:56 1996  
From: Rileyks4xs@aol.com  
Subject: [9595] Code Speed  
Message-ID: <960609224817\_552827501@emout12.mail.aol.com>

Group:

Many thanks to those of you who have posted suggestions on increasing code speed. Well, I tried most of the suggestions and practiced some of them - and EUREKA passed 20wpm this weekend.

In particular I wanted to thank K5F0(Chuck), AA0QX(Austin) and NA5N(Paul) for the suggestions they posted to the list a few months ago(in April, I think).

Hope to work some of you on the "low end" of the bands soon !

72's... Scott KS4XS/AE

From owner-qrp-1@Lehigh.EDU Mon Jun 10 09:07:56 1996  
From: Paul Ridley\_ <pridley@swcp.com>  
Subject: [9573] CW  
Message-ID: <01BB55D0.A3D00C60@ppp130.swcp.com>

I belong to a somewhat new radio club in my area that has quite a few = new Tech Class hams. We are trying to get them to upgrade, so I need = frequencies and times that CW practice is given on the air. Can anyone = help me with this item?

Also, for myself, I'm looking for URLs that might list QSL managers and = DX Callbooks. Thanks guys.

Paul, KB5DQ

From owner-qrp-l@Lehigh.EDU Mon Jun 10 09:07:56 1996  
From: "Mitch, WA40SR" <wa4osr@concentric.net>  
Subject: [9589] dilbert is not a ham  
Message-ID: <31BCAA5F.2DAC8DD2@concentric.net>

i just picked up a collection of the dilbert cartoons... i noticed that over the years, dilbert had mentioned the morse code and also ham radio a few times...

sooooo, i emailed scott adams (scottadams@aol.com) and asked him if 1.) he was a ham and 2.) if he knew the morse code...

believe it or not he responded... he said no on both counts...

so dilbert is *\*not\** a ham, and he doesn't know the code...

mitch

— —

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----- * * * VIBROPLEX - The oldest name in ham radio! * * -----
Felton "Mitch" Mitchell                                The Vibroplex Co., Inc.
wa4osr@concentric.net                                  11 Midtown Park, E.
334-478-8873, FAX 334-476-0465                          Mobile, AL 36606-4141

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From owner-qrp-l@Lehigh.EDU Mon Jun 10 09:07:56 1996  
From: launerb@crl.com (William H. Launer)  
Subject: [9579] End-fed antenna grounds  
Message-ID: <v01520d00ade0ab98d555@[192.0.2.1]>

qrp-1 gang

Since we need to get the most out of our antennas for qrp operation, and often a city lot (or covenants) hinders the erection of dipols, etc., I think the following message from the "Boatanchors" list is appropriate. Sandy graciously gave me permission to repost it on the qrp-l list.

72'73, Bill wb0cld

-----Forwarded message follows-----

From: "Sandy, W5TVW" <70401.134@CompuServe.COM>

For "ground rods" I use:

Two 8' ground rods made from 3/4" hard drawn copper water pipe. I soldered a short tab to each pipe BEFORE I drove it. Once the pipe gets in the

ground, you can't solder it properly with a damn oxy-acetylene torch! The rods are about 10' apart and they are interconnected with the same copper flashing. I punch about 3 holes in a lap joint, put it together with 'pop' rivets, then solder them well with a torch. The whole thing then is weather proof. The 'area' is a "sump" for the condensation water discharge line for my central A/C unit. In this heat and humidity, it stays "soggy" and swampy during the summer! The water table is high here and we have very good ground conductivity. I could light a 500 watt lamp using the ground as the "neutral" easily. A 'dodge' where you can't get a decent 'ground' is to supplement it with a counterpoise. One of the best (although it deteriorates with time) is common 1" mesh galvanized chicken wire. Use a strip 1-2' wide (or wider) and as long as possible (15-65 feet or more). It can be buried just beneath the surface or laid on the surface and the grass allowed to grow over it. Another one is a tuned "radial" (66' for 80, 33' for 40 etc.) type counterpoise. This can be beneath, lying on, or just above the surface (so no one can trip on it!)

I have done QRP in the field using a 66' "antenna" one end connected to the tuner and the other end sloping up to as high a limb as you can get it over. The "counterpoise" (another 66' length of hookup wire) is laid on the ground under the antenna. Works great. Use whatever configuration of tuner ("L" section or "T" section types) that get the most "fire in the wire"! Dipole antennas in a 'tactical' field setup are too much trouble to get up and require too many supports. (At least one high one and someplace to tie the ends!) Especially if you want to setup and break down in a hurry.

73,

Sandy, W5TVW

Boat Anchors collected, restored, modified, traded and used!

-----End of forwarded message-----

Bill Launer  
St. Charles, MO  
launerb@crl.com  
wb0cld@wb0cld.ampr.org [44.46.66.25]  
qrp-l #279            qrp arci #3551

From owner-qrp-l@Lehigh.EDU Mon Jun 10 09:07:56 1996  
From: Phillip Cuchetti <ab082@traverse.lib.mi.us>  
Subject: [9576] famous rig sold  
Message-ID: <Pine.ULT.3.90.960609082128.21727A-100000@traverse.lib.mi.us>

Tnx to all who responded about this sale.  
kk6zc was the first so he got it.

Enjoy Glenn!///  
72..Phil

From owner-qrp-1@Lehigh.EDU Mon Jun 10 09:07:56 1996  
From: Paul Stroud <aa4xx@nando.net>  
Subject: [9586] FD Log/Dupe sheets  
Message-ID: <31BB2DB1.2980@nando.net>

Gang,

Do any of you know if FD logsheets/dupesheets are available via  
FTP?

Thanks,  
Paul AA4XX

From owner-qrp-1@Lehigh.EDU Mon Jun 10 09:07:56 1996  
From: Joel Malman <malman@BBN.COM>  
Subject: [9581] FOXHUNT SCHEDULE 1996  
Message-ID: <199606091725.NAA135706@nss2.CC.Lehigh.EDU>

Folks,

Is there a Foxhunt Schedule for 1996 available yet? I need to do some long  
term planning.

thanks

joel     wa1qvm

From owner-qrp-1@Lehigh.EDU Mon Jun 10 09:07:56 1996  
From: PDouglas12@aol.com  
Subject: [9584] Front Panels for Norcal Sierra and St Louis Tuner  
Message-ID: <960609145846\_410482541@emout13.mail.aol.com>

Gang,

Thanks to the help of several members who sent me photocopies of the front of  
the St Louis, I have finished a decent looking color front panel for the  
tuner. If you would like a pair (one to "practice on") of the front panel,

please let me know.

I also have front panel artwork for the Norcal Sierra. I can send these with the following options:

1. Front mounted VBT
2. KC1
3. Both
4. I also have one with the above two plus a spot for a teeny S-meter (like the ones I sold out of in an hour at FDIIM). This panel looks a lot like the Sierra on the front of the last Quarterly, except it has all three front mounted options (VBT, KC1, and S-Meter), and it is in full color.

If anyone wants one, please tell me which option (1-4) you need.

These are printed in color on plain paper. You have to laminate them on both sides using stationary store laminating material, then cut them out and mount them using the control hardware. The results are very nice, if I do say so.

I have sent panels as requested for Sierra or St Louis or both to: Brian Kassel, J.W. Thornton, Henry W5HNS, Andrew Comas, and Bob Cutter. If anyone else requested either panel previously, I somehow didn't keep track of your request, so please remind me again.

72,

Preston WJ2V

From owner-qrp-1@Lehigh.EDU Mon Jun 10 09:07:56 1996

From: john andrews <jm165723@eee.org>

Subject: [9600] FS:Parts

Message-ID: <31BBB88E.58AC@eee.org>

Hi Gang:

Just moved to new QTH and find I'm out of space.

Need a used QRP+ and AT-11 but gotta unload some of the stuff I've got first. 25 full Acro-Mills boxes stuffed full of parts. And that's just the stuff I'm tripping over.

Miller coils, Slinkys, toroids, 40-50 pounds of variable capacitors, CA-3028's, 40673's, I.C.'s, rolling inductors, Jackson drives, knobs, sheet metal, most of the pc boards in w1fb's qrp notebook, Wb8vge

mentions the 15meter cw xcvr board in this month's 73- got it.  
machined pin ic sockets, crystals, sockets, plugs, connectors,  
boxes,meters- You get the idea.

Just got in a batch of T-37-7's before I moved at a good price.

If you've got a board(common rcvr,xmtr, or xcvr) I can probably  
help you stuff it 60-90%.

List not complete by any means. Help!

72, John-N5INZ

From owner-qrp-1@Lehigh.EDU Mon Jun 10 09:07:56 1996  
From: Ron Giuntini <rong@slip.net>  
Subject: [9567] Hamsticks for 40  
Message-ID: <E0uSckg-0004c5-00@fox>

How do they work for QRP? I have a couple and was thinking of using them as  
a dipole using a clever mount made out of two RS mirror mounts. I saw it in  
Worldradio some time back...there is a balun between the two antennas. I  
could use this on a van or on my roof, but meanwhile I'm curious about any  
experience anyone has had with a simple Hamstick fixed or mobile.....I know  
some folks are using them mobile...how about at the home? Worth a shot on  
low power on 40? What about the capacitator that is recommended in the  
literature that comes with the antenna? What kind of capacitator is best for  
this?? Any ideas... BTW this group is almost as much fun as building this  
stuff...I'll have to force myself to the soldering iron a bit more.....

KB6GK Ron  
San Francisco

From owner-qrp-1@Lehigh.EDU Mon Jun 10 09:07:56 1996  
From: msdoooley@rdxsunhost.aud.alcatel.com (Michael S. Dooley)  
Subject: [9592] North Texas Field Day  
Message-ID: <9606100149.AA26073@collie.aud.alcatel.com>

With apologies to the list (I don't have a list of just the NORTEX  
members) I'm sending this message about our field day here in North  
Texas. OH!!! and please come visit and operate if you're in the area!  
You don't have to be a NORTEX member to join us for the fun!

Hello all NORTEX folks and any others in the area who want to come out.  
This is a note about field day.

Location: North Point (or is it Point North) park in Richardson.  
Directions: Take US75 North to Renner Road. Go West on Renner Road  
until you see the railroad bridge which CROSSES Renner  
Road. The park is on your left.  
Times: Meet at 10AM Saturday to setup the radios, antennas, etc.  
You Bring: Yourself, something to snack on and drink, some enthusiasm.

We're planning to operate all night. If you have a radio or key or  
headphones you'd like to bring and use, please feel free to do so.  
We welcome all to come and have fun.

In case no one brings anything:  
Smitty is bringing breakfast stuff, stove and some snacks.  
Bill is bringing some batteries and an Argo along with some snacks.  
I'm bringing the antenna system along with some snacks.

Well, at least we won't starve!

Mike Dooley KE4PC

PS if there are any questions, please let me know.

From owner-qrp-1@Lehigh.EDU Mon Jun 10 09:07:56 1996  
From: tru\_blu@omn.com (Raymond Tougas)  
Subject: [9574] QRP autotuner info - Wow!  
Message-ID: <96060901500534152@omn.com>

Hi Gang,  
I have the information I asked for about the autotuner.

Tnx> Ray

From owner-qrp-1@Lehigh.EDU Mon Jun 10 09:07:56 1996  
From: "Vernon A. Hatley" <vhatley@worldnet.att.net>  
Subject: [9580] Real meaning of QRP...  
Message-ID: <199606091648.QAA08402@mailhost.worldnet.att.net>

When using a QRO rig to work QRP, it is very tempting to turn the  
power up till you make contact, then go down to QRP levels. But, it is a  
temptation, that I have not given in to. That is a major advantage of  
using a QRP only rig; the temptation is not there. For me, the sense of  
satisfaction I get from QRP would be gone if I made "first contact" at QRO  
levels. Should contacts made using the QRO > QRP system be counted for



awards and in contests? Well, technically, they are QRP to QRP; ethically; I'm don't think they should be counted. In contests, it would be an unfair advantage over the operator that doesn't own a QRO rig. What I have done on some DX stations is this; first work the calling DX station at 100 watts. Wait a minute or two and let a few others work him, then go back on at 4.5 watts and call him again with the /QRP on my call sign. Sometimes I get him, sometimes I don't. It is a seperate contact, and it is QRP from start to finish. Some out there will think this is unethical I'm sure. I think it boils down to what will your conscience let you live with. The main thig to remember; HAM radio and QRP are only hobbies. They are to make our mundane lives more exciting and give us a little enjoyment. Whatever you enjoy most and you feel is the "right way" is what you should be doing. Enjoy it while you can. Life is too short to worry over petty details. IMHO; of course.

--

KK5R0 (Amateur Extra Class)	Ten Tec Omni V
Vernon A. Hatley	OHR Explorer II 40 meter
Butternut vertical	QRP-L #325
Kent Paddles	99.5% CW

From owner-qrp-l@Lehigh.EDU Mon Jun 10 09:07:56 1996  
From: k7yha@juno.com (Richard H. Arland)  
Subject: [9594] Rig/Antenna Shakedown  
Message-ID: <19960610.024705.4687.3.k7yha@juno.com>

Hi Gang:

As the time draws near for the start of the K7YHA 1996 N. American Tour (2AM EDT on 6-15-96) I decided to give the antenna/rig installation a shakedown to spot any potential RFI/EMI problems in the Outback.

I scrapped the idea of using the tri-magnet mount and bought a mirror/roof rack mount from RS. Mounted the hamstick on this mount mid way on the back roof rack strut. Couldn't find a good ground (the rack is insulated from the roof) so I ran two #12 stranded wires down from either side of the mount, down the back door and terminated them onto two bolts that hold the locking hardware for the hatchback door. These were previously check out to insure that they were at chassis ground.

:Using the Autek RF-1 analyzer, I pruned the antenna to get resonance at 7040. Had to resort to that silly little B&W coil that Lakeview sells...looks like hell but brings the SWR down to 1.3:1 at 7040.

With Tricia at the wheel, we mobiled around Wilkes-Barre for an hour checking for any possible glitches with the onboard electronics in the

Outback. Nothing happened, so I feel confident I won't cause any interference to the 'Roo when operating the rig.

Managed to work W2WHA in VT. Got a 579 from him and he was suitably impressed with my QRP mobile installation. Looks like it works, so now we're ready for the road.....

A little travelin' music please.

72 rich

From owner-qrp-1@Lehigh.EDU Mon Jun 10 09:07:56 1996  
From: "W. Daniel, 9V1ZV" <daniel@pandora.lugs.org.sg>  
Subject: [9570] Sked 9V1ZV  
Message-ID: <31baccdd.pandora@pandora.lugs.org.sg>

Hi,

I am now working 14037 kHz at 1209 UTC 6/9/96. 14035 is busy.

73 de 9V1ZV

--

Daniel Wee | daniel@pandora.lugs.org.sg  
9V1ZV | daniel.wee@f516.n600.z6.fidonet.org

From owner-qrp-1@Lehigh.EDU Mon Jun 10 09:07:56 1996  
From: "W. Daniel, 9V1ZV" <daniel@pandora.lugs.org.sg>  
Subject: [9571] Sked 9V1ZV  
Message-ID: <31baaf19.pandora@pandora.lugs.org.sg>

Hi Gang,

Okay I am going to go on air Monday 1100 UTC to 1500 UTC on 14035 kHz if there are no objections. I will try tonight also, Sunday around 1300 UTC to 1500 UTC on the said frequency.

73 de 9V1ZV Daniel

--

Daniel Wee | daniel@pandora.lugs.org.sg  
9V1ZV | daniel.wee@f516.n600.z6.fidonet.org

From owner-qrp-1@Lehigh.EDU Mon Jun 10 09:07:56 1996  
From: "W. Daniel, 9V1ZV" <daniel@pandora.lugs.org.sg>  
Subject: [9602] SKed report at 1210 UTC  
Message-ID: <31bc1147.pandora@pandora.lugs.org.sg>

Hi,

Band is full of QRN and does not look good so far. Hear one very weak station calling /QRP but it was so weak I could not hear more than a K???/Q?? and maybe I every got the K wrong but I thought I heard part of my own call. More later.

73 de 9V1ZV Daniel

p.s. If you guys are trying, send real slow, it gets through better.

p.p.s. I am on 14035.0 with a 300 Hz filter so tune in accurately.

--

Daniel Wee | daniel@pandora.lugs.org.sg  
9V1ZV | daniel.wee@f516.n600.z6.fidonet.org

From owner-qrp-1@Lehigh.EDU Mon Jun 10 09:07:56 1996  
From: "W. Daniel, 9V1ZV" <daniel@pandora.lugs.org.sg>  
Subject: [9604] Sked update 1245 UTC  
Message-ID: <31bc18c3.pandora@pandora.lugs.org.sg>

Hi again,

RX6LM has just come up on 14035 and is drifting all over the place. Maybe some of you can hear him. I hear a few very weak stations in the back this at 1245 UTC. I will be trying until 1500 UTC so don't give up.

73 de 9V1ZV Daniel

--

Daniel Wee | daniel@pandora.lugs.org.sg  
9V1ZV | daniel.wee@f516.n600.z6.fidonet.org

From owner-qrp-1@Lehigh.EDU Mon Jun 10 09:07:56 1996  
From: "W. Daniel, 9V1ZV" <daniel@pandora.lugs.org.sg>  
Subject: [9605] Test  
Message-ID: <31bc1e95.pandora@pandora.lugs.org.sg>

Hi Al,

You're the FIRST! Wow, I was just beginning to think this was going to be a long night then you came in busting with that loud signal. I was expecting something in the noise floor but yours was loud and clear. Furthermore you were right on the dot!

I didn't get to ask what rig you were using or the power but I figured we could exchange more on e-mail. I was so jittery and excited I could not even send straight. I suppose my wrist was numb from sending CQ at 5 WPM for the last hour or so. :-)

My rig was an ARK-20 putting out some 3 watts or so into a dipole just outside my window on the 11th floor facing NE. Wow! Whaddaya think of that.. 2-way QRP with California!

73 de 9V1ZV Daniel

--

Daniel Wee | daniel@pandora.lugs.org.sg  
9V1ZV | daniel.wee@f516.n600.z6.fidonet.org

From owner-qrp-1@Lehigh.EDU Mon Jun 10 09:07:56 1996  
From: adams@chuck.dallas.sgi.com (chuck adams)  
Subject: [9591] Wanted: Tektronix Guru  
Message-ID: <199606100144.BAA17846@chuck.dallas.sgi.com>

Gang,

Well, Hamcom is history. What a group of QRPers that were there from the North Texas area.

The attendance at HamCom really seemed way down to me. There weren't that many guys in the flea market selling stuff. Inside fleamarket saw some OHR kits new for sale from a dealer. They went pretty well.

Stu, K5KVH, from Austin was up and yesterday (Saturday) he was totting around a RF field strength meter that some guy had a quantity of and Stu must have been getting some commission on the way he was carrying on about the great deal that it was. :-)

So who did I see first thing this morning upon arrival? - you guessed right. He was at the tent in the parking lot of the guy who had them. So I went over to say hi and see what the guy had.

Low and behold a Tektronix Type 191 Constant Output Signal Generator!  
I had looked at a Wavetek the day before at \$400. Asked the guy the price and he said \$75. I asked him if it worked. He said he hadn't checked it out. So I took the chance and brought it home. Works like a champ.

Here are some of the specs:

350KHz to 100MHz in 7 bands  
switchable output from 5mV to 5.0V in multiples ending in 0 or 5,  
for instance 5,10,15,20,...50mV, etc.

I checked with the Philips PM 3262 model scope that I have and I don't see any variation in output vs frequency until about 55MHz or so where the scope's upper limit is.

So, does anyone on this group have a manual or source thereof for this beauty from Tektronix? I would like to be sure and have one around. Any help greatly appreciated.

dit dit

--

Chuck Adams (K5FO CP-60) adams@sgi.com  
K5FO Tmps 1996 Qs=024 States=17 Confirmed=07 DX=01  
AL AZ CA CO FL IL IN MI OK OR SD TN TX UT WA WI WY

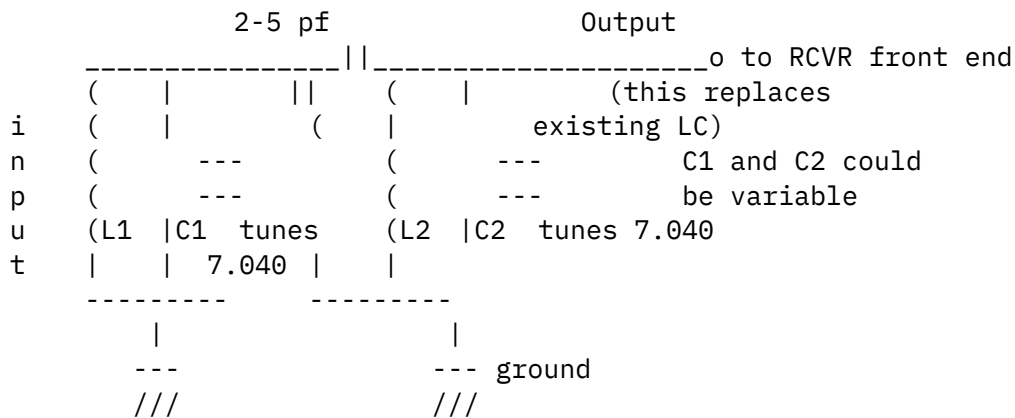
From owner-qrp-1@Lehigh.EDU Mon Jun 10 09:07:56 1996  
From: James Bell <jim.bell@canada.cdev.com>  
Subject: [9606] RE:300 OHM antenna  
Message-ID: <199606101341.JAA80379@nss2.CC.Lehigh.EDU>

From owner-qrp-1@Lehigh.EDU Mon Jun 10 09:07:56 1996  
From: Alan Kaul <kaul@netcom.com>  
Subject: [9596] Re: 49er receiver/SW crud  
Message-ID: <Pine.3.89.9606092033.A12743-01000000@netcom13>

Gary... using the 150pf cap, you need approx 2.8 uH in the coil (which can be wound by the formula  $\text{TURNS} = 100 * (\text{SQR})[(\text{desired uH}/\text{AL})]$  or with a T-50-2 coil, it is  $\text{TURNS} = 100 * \text{SQR}[2.8/49] = 23.9$

I'd use 24 turns (since there is a variable C in the circuit).

That said, the SW BC interference is BETTER but not eliminated. I've not tinkered with it lately, but I had thought a lightly coupled bandpass filter might be required (and then never tried it). Roughly as follows:



L1-C1 must tune the input frequency, and so must L2-C2. It may be capable of reducing out of band signals by 30-40 dB, but it might have an insertion loss of 3-6 dB.

At the input side of the circuit, you could use 4-6 turns link coupled to the torroid for L1, or you could tap down to the proper impedance point (50 ohms). I think this kind of input circuit might work better when it comes to keeping out stray SW crud, if insertion loss doesn't kill you! If you try it and have success, please let me and the list know!

GL and best 73/72, de alan

[<Alan Kaul, W6RCL>] kaul@netcom.com

From owner-qrp-1@Lehigh.EDU Mon Jun 10 09:07:56 1996  
 From: Wayne Barnhart <wayneb@on-ramp.ior.com>  
 Subject: [9599] Re: 49er receiver/SW crud  
 Message-ID: <Pine.LNX.3.93.960609221323.841C-100000@on-ramp.ior.com>

I know we are getting out of the realm of what the 49er was intended to do but if you are going to use the circuit you suggest couldn't the insertion loss be made up with the addition of a common base FET before the mixer?

Wayne WB7WHI  
 Spokane, Wa.

On Sun, 9 Jun 1996, Alan Kaul wrote:

```
>
> That said, the SW BC interference is BETTER but not eliminated. I've not
> tinkered with it lately, but I had thought a lightly coupled bandpass
> filter might be required (and then never tried it). Roughly as follows:
>
>          2-5 pf          Output
>  -----||-----o to RCVR front end
>  (  |  |  (  |  (this replaces
> i (  |  |  (  |  existing LC)
> n (  ---  (  ---  C1 and C2 could
> p (  ---  (  ---  be variable
> u (L1 |C1 tunes (L2 |C2 tunes 7.040
> t |  | 7.040 |  |
>  -----
>      |          |
>      ---          --- ground
>      ///          ///
>
> L1-C1 must tune the input frequency, and so must L2-C2. It may be
> capable of reducing out of band signals by 30-40 dB, but it might have
> an insertion loss of 3-6 dB.
>
> At the input side of the circuit, you could use 4-6 turns link coupled to
> the torroid for L1, or you could tap down to the proper impedance point
> (50 ohms). I think this kind of input circuit might work better when it
> comes to keeping out stray SW crud, if insertion loss doesn't kill you! If
> you try it and have success, please let me and the list know!
>
> GL and best 73/72, de alan
>
> [<Alan Kaul, W6RCL>] kaul@netcom.com
>
>
>
```

From owner-qrp-1@Lehigh.EDU Mon Jun 10 09:07:56 1996  
From: Art Searle <asearle@netusa.net>  
Subject: [9575] Re: 9V1ZV/QRP 20m sched  
Message-ID: <31BB179D.4828@netusa.net>

W. Daniel, 9V1ZV wrote:

> Okay, I suppose but I would prefer lower, say at 14035.

>

Fine I will look for you @ 11:00z on 14035 + - QRM tomorrow

BTW, Today, 20 was bad, band was not open at that time, will hope for better tomorrow.

I hope other QRP-L members will be looking fot you too.

72, de Art WU2K

--

72,73, de Art Searle, WU2K, Long Is., NY, ARRL Life Member  
QRP-L #524, QRP ARCI #9123, NorCal pending, DXCC MX & CW HR  
NRA Benefactor Life Member, NMLRA Life Member, AMA Life Member  
NRA Certified Firearms Instructor, Dale Earnhardt Fan Club

From owner-qrp-1@Lehigh.EDU Mon Jun 10 09:07:56 1996

From: Dick G0BPS <Dick@kanga.demon.co.uk>

Subject: [9577] Re: Altoids forever

Message-ID: <pw6Q2GAxpquxEwLB@kanga.demon.co.uk>

In message <9606082207.AA11023@ig4.att.att.com>, James M Fitton +1 508  
960 2577 <mvjfm@mvubr.att.com> writes

>

>At work today I actually saw someone eating Altoids candy.

>I thought everyone threw the candy out and coveted the box.

>

George and I bought a box each, your right. It's awful stuff.  
Ideal for exporting from the UK.

>I had just bumped my head on a shelf and had visions of

>an 80 meter loop installed in an Altoids box.

I was going to put a 386 PC in mine for the next trip over, save getting  
bored on the plane..

TTFN de ..

>

Dick G0BPS

From owner-qrp-1@Lehigh.EDU Mon Jun 10 09:07:56 1996



From: JEVERHART@cayman.vf.mmc.com  
Subject: [9603] RE: Capacitors - NP0 vs C0G  
Message-ID: <960610084206.25217033@carib.vf.mmc.com>

Bill, you queried:

>Is there a difference between caps with a temperature coefficients of NP0 vs  
>C0G?

>=====

>Bill Jones - KD7S <><

>QRP-L Member #85

>Sanger, California

>Reply to kd7s@valleynet.com

>=====

Answer: Not with a \*reputable\* supplier. (Murata-Erie, Phillips). Panasonic's "Class 1" disc ceramics in the Digikey catalog blow my mind - not what I've understood "NP0" to be in my last 25 years in the industry. The Panasonic monolithic capacitors, on the other hand, appear to right on. Don't skimp on cheap no-good tuning capacitors. You go nuts trying to figure out why they don't work right!

72/73,

Joe E., N2CX

From owner-qrp-l@Lehigh.EDU Mon Jun 10 09:07:56 1996  
From: JCoote@aol.com  
Subject: [9593] Re: End-fed antenna grounds  
Message-ID: <960609215332\_410690823@emout19.mail.aol.com>

In a message dated 96-06-09 13:13:52 EDT, launerb@crl.com (William H. Launer) writes:

>qrp-l gang

> Since we need to get the most out of our antennas for qrp operation,  
>and often a city lot (or covenants) hinders the erection of dipols, etc.,  
>I think the following message from the "Boatanchors" list is appropriate.  
>Sandy graciously gave me permission to repost it on the qrp-l list.

>

>72'73, Bill wb0cld

>

>-----Forwarded message follows-----

>

>From: "Sandy, W5TVW" <70401.134@CompuServe.COM>

>

>For "ground rods" I use:  
>  
>Two 8' ground rods made from 3/4" hard drawn copper water pipe. I soldered  
>a short tab to each pipe BEFORE I drove it. Once the pipe gets in the  
>ground, you can't solder it properly with a damn oxy-acetylene torch! The  
>rods are about 10' apart and they are interconnected with the same copper  
>flashing. I punch about 3 holes in a lap joint, put it together with 'pop'  
>rivets, then solder them well with a torch. The whole thing then is weather  
>proof. The 'area' is a "sump" for the condensation water discharge line  
>for my central A/C unit. In this heat and humidity, it stays "soggy" and  
>swampy during the summer! The water table is high here and we have very  
>good ground conductivity. I could light a 500 watt lamp using the ground  
>as the "neutral" easily. A 'dodge' where you can't get a decent 'ground'  
>is to supplement it with a counterpoise. One of the best (although it  
>deteriorates with time) is common 1" mesh galvanized chicken wire. Use a  
>strip 1-2' wide (or wider) and as long as possible (15-65 feet or more).  
>It can be buried just beneath the surface or laid on the surface and the  
>grass allowed to grow over it. Another one is a tuned "radial" (66' for  
>80, 33' for 40 etc.) type counterpoise. This can be beneath, lying on, or  
>just above the surface (so no one can trip on it!)  
> I have done QRP in the field using a 66' "antenna" one end  
>connected to the tuner and the other end sloping up to as high a limb as  
>you can get it over. The "counterpoise" (another 66' length of hookup  
>wire) is laid on the ground under the antenna. Works great. Use whatever  
>configuration of tuner ("L" section or "T" section types) that get the most  
>"fire in the wire"! Dipole antennas in a 'tactical' field setup are too  
>much trouble to get up and require too many supports. (At least one high  
>one and someplace to tie the ends!) Especially if you want to setup and  
>break down in a hurry.  
>73,  
>Sandy, W5TVW  
>Boat Anchors collected, restored, modified, traded and used!  
>  
>-----End of forwarded message-----

One could probably skip the ground rods and just experiment with counterpoise systems made from lengths of wire. Ground rods are great for lightning and static protection, VLF antennas or AC wiring in the building, but a counterpoise is simpler to set up and more effective on HF. For medium and high-angle (NVIS), run the counterpoise wire(s) under the horizontal or vee wire antenna. Use whatever antenna/counterpoise length combination which works with your tuner over all bands and in different field setups.

73, Jay  
WB6AAM

From owner-qrp-1@Lehigh.EDU Mon Jun 10 09:07:56 1996  
From: "Rafael Garcia (EA4RJ)" <tie@bitmailer.net>  
Subject: [9582] Re: Explorer II ?Drift? ?Accuracy?  
Message-ID: <Pine.LNX.3.91.960609123734.331B-100000@ea4rj.ampr.org>

On Sat, 8 Jun 1996 km@PACT.ORG.PE wrote:

> No instruments here to measure the drift, but I think that all of the  
> fuss is for naught because even if the drift is as much as said, it  
    ^^^^^^^^^^^^^^^^^^^^  
> is too little to worry about during a QSO and operating.

Kris,

I don't understand what you are saying. I didn't start the discussion  
for nothing.

I said my Ex II for 30 is doing a great job, and after to add a cap in  
the VFO section, now I'm able to accurate dial marks within +- 1 kHz.  
(Note: a close look to the drift in my unit, I've found a drift of 400  
Hz first 15 minutes, and stop to moving down next)

The problem that I exposed was in a 40m version built by a friend of  
mine. Fortunately I have a counter to see how much is moving the VFO, and  
I can confirm that rig it has an anomaly drift.

I played yesterday with the 40m rig, changing C62, and combining values.  
The best I've found is a single 68 pF NPO cap, and it seems now is moving  
only down 200 Hz, instead of >1 kHz that it had.

73,

Rafael,  
Madrid (Spain)

From owner-qrp-1@Lehigh.EDU Mon Jun 10 09:07:56 1996  
From: adams@chuck.dallas.sgi.com (chuck adams)  
Subject: [9590] Re: FOXHUNT SCHEDULE 1996  
Message-ID: <199606100112.BAA17721@chuck.dallas.sgi.com>

Joel et.al.,

There is not foxhunt schedule for 1996 yet. It won't be ready  
until mid September. Sorry.

dit dit

--

Chuck Adams (K5FO CP-60) adams@sgi.com

K5FO TMPS 1996 Qs=024 States=17 Confirmed=07 DX=01

AL AZ CA CO FL IL IN MI OK OR SD TN TX UT WA WI WY

From owner-qrp-1@Lehigh.EDU Mon Jun 10 09:07:56 1996

From: Jack Ponton <jwp@chemeng.ed.ac.uk>

Subject: [9601] Re: GQRP - Re: haggis

Message-ID: <199606101017.LAA06680@mhoe.chemeng.ed.ac.uk>

-> From g3ycc@mail.enterprise.net Tue Jun 4 23:03:06 1996

-> Comments: Authenticated sender is <g3ycc@mail.enterprise.net>

-> From: "Frank G3YCC" <g3ycc@enterprise.net>

-> To: jwp@chemeng.ed.ac.uk

-> Date: Tue, 4 Jun 1996 23:10:51 +0000

-> Subject: Re: GQRP - Re: Altoids and 80M Loops

-> Reply-to: g3ycc@enterprise.net

-> CC: gqrp-1@blacksheep.org, qrp-1@lehigh.edu

-> Priority: normal

->

-> >

-> >

-> > Here in Scotland we don't eat a great deal of haggis....

There was some comment on this which I didn't get round to replying to.  
(And some re football to which I won't...)

The point is that haggis is made from parts of a sheep which most folk don't want to know about, never mind eat! The whisky acts as a pre-emptive antidote. Haggis used to be very cheap, on account of being made, etc, and when I was a student I ate it regularly for lunch, with chips and brown sauce (yuk!). Increased prosperity has changed my diet. Also haggis is now more expensive, being sold extensively to the tourist trade in fancy little packages.

-> But you lot will insist on using salt on porridge!  
Naturally. Porridge without salt is tasteless and boring. Actually you need to cook it with salt, not just sprinkle it on afterwards.

-> ..... I prefer cream, or  
This is quite acceptable and rather nice. Some sugar is allowed too.

-> butter, or both. :-)

Eugh! Definitely not!

I've forgotten what all this had to do with qrp. We aren't proposing a competition for the smallest rig in an ex-sheep's stomach or something equally gross are we? Perhaps we should get back to radio...

Slainte and 72/3,

Jack

From owner-qrp-1@Lehigh.EDU Mon Jun 10 09:07:56 1996  
From: DLShips@aol.com  
Subject: [9572] Re: Hamsticks for 40  
Message-ID: <960609091605\_410353792@emout08.mail.aol.com>

In a message dated 96-06-09 01:12:40 EDT, rong@slip.net (Ron Giuntini) writes:

>I'm curious about any  
>experience anyone has had with a simple Hamstick fixed or mobile.....I know  
>some folks are using them mobile...how about at the home?

Hey Ron,

Les Shaddock WN2V has used them at home and claims they're great. Jim from ASA Antenna Sales offers a mount for this purpose and it's not very exoensive. ASA is located in Myrtle Beach, SC. I've often used a single stick with my 30 meter qrp station and have had some success but it's not my antenna of choice.

Good Luck de W3RDF (Don) 72's

From owner-qrp-1@Lehigh.EDU Mon Jun 10 09:07:56 1996  
From: wwm@wa8tzg.mi.org (Bill Meahan)  
Subject: [9588] Re: June QRPp  
Message-ID: <31bb4fc4.wa8tzg@wa8tzg.mi.org>

>From: Doug Hendricks <ki6ds@telis.org>  
>I was just informed by the printer that QRPp will be late. This

[deletia]

Doug, have you considered electronic distribution as an option for subscribers? This idea occurred to me as I was wandering around the

June meeting and wishing that QRPP didn't take so long to get from California to Michigan (I swear there's someone at the Westland post office who takes the thing home and reads it for a couple of weeks before resealing the bag and sending it on to me :-( Same with SPRAT).

The "electronic edition" would work really well if distributed as an Adobe "PDF" file (a \*very\* common format that includes graphics and preserves formatting, etc). The reader is free and versions exist for PC's under various versions of Windoze, Macs and even Unix workstations. Netscape offers a "plug-in" as well. To ensure fairness for paid subscribers, I'd envision getting each issue from some "secured" site which I'd have to log into using an ID and password supplied when I began/renewed my subscription and which would change every year. I'd also envision continuing to provide the hardcopy version for those who can't or don't want to use the electronic version.

Just some thoughts from an impatient computer geek ;-) ;-) ;-)

72

--

Bill Meahan WA8TZG [wmeahan@wa8tzg.mi.org](mailto:wmeahan@wa8tzg.mi.org)  
Member of: ARRL, IMRA, NorCal QRP (#407), G-QRP (#8468), MI-QRP (#M1458)  
Hey, this is my OWN computer! I can say what I want!  
cat: a purr bearing mammal

From owner-qrp-1@Lehigh.EDU Mon Jun 10 09:07:56 1996  
From: "Robert J. Gobrick" <[rgobrick@nflld.com](mailto:rgobrick@nflld.com)>  
Subject: [9568] Re: Late stuff, later stuff and old stuff w/o filaments  
Message-ID: <2.2.32.19960608130936.00a14f40@public.compuser.com>

Nils,

>From my experience with RadioKit products - it is definitely HOMEBREW even if it started out as a RadioKit kit :^)

I never did find out if Daniel Wee ever got the RadioKit kit working (Littlefield design) that I sold him when he first got going into building a few years ago (it was one of those un-opened in the box affairs). I'm sure he must have got it working since he is probably spending the time, like you, fixing some of the pc board layout mistakes etc.

Keep us posted.

73/72 Bob V01DRB/WA6ERB

PS: Newfoundland/Labrador is now into oil and mining - paper is now reserved for making "hardcopies" of your email messages for posterity sake - don't trust those electrons to be there for ever...)

At 14:48 6/8/96 -0500, you wrote:

>>

>Me, I'm working on the RadioKit 75m SSB board that I bought off

>Ed Pacyna just before HV96.

>So here's the deal: is it a kit? Or has my building it in another

>box that once held another radio made it home made. Or home brew.

>73

>Nils

>WB8IJN +c

>

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| Bob Gobrick - VO1DRB/WA6ERB/VE2DRB - Newfoundland, Canada |
| QRP'er Galore - ARCI, GQRP, NORCAL, NEQRP, COQRP, MIQRP, NWQRP |
|   Internet:   rgobrick@nfld.com |
|               bgobrick@nlnet.nf.ca |
|   Compuserve: 70466.1405@compuserve.com |
|-----
```

From owner-qrp-l@Lehigh.EDU Mon Jun 10 09:07:56 1996

From: "Robert J. Gobrick" <rgobrick@nfld.com>

Subject: [9569] Re: Please, no ASCII art on paper

Message-ID: <2.2.32.19960608130938.00a25538@public.compuserve.nf.ca>

Hi Mike and QRP-L gang,

Thanks for your notes on your likes/dis-likes of ASCII art and your comments on using KeyCad for DOS.

As a little side note to your posting and a follow-up posting of yours - it is near impossible to find/buy/trade for the DOS version of KeyCad. All you see on the news-stands is the Windows/Mac CD-ROM version of KeyCad by Softkey. As you know this is a completely different program from the DOS version and as hard as I tried (not very hard) I was unable to convert any of the great DOS library symbol stuff you did over to the Windows version. Is there anyone out there who may want to make one last noble try to convert these symbols for use by the Windows version of KeyCad. By the way the CD version for Windows/Mac runs for about \$50 I think.

Finally is there a "format" for CAD drawing transmittals for the newsletters

that maybe we can agree upon. Not everyone wants to buy (or afford) AutoCad (even the lite version) but I just recently picked up TurboCad 2D/3D Version 3 for Windows on CD with 10,000 symbols and it looks like it will do saves in AutoCad compatible DWG/DXF etc. I haven't used the program yet (another project just to get it loaded..) but the price of this program set on CD/floppies was under \$100 Canadian which translates to under/under \$100 US. Program looks like a winner.

Anyway it would be nice if we can get folks to try to use some common format so the QRP newsletter editors can roll this stuff into their desktop publishing programs a little easier (well I'm sure the editors will say that nothing is easy - hi). Our goal as members and writers is to make their job easier so they can concentrate on putting out some of the top notch qrp newsletters that are out there (OK to name a few .. QRP Quarterly, Low Down, QRPp, 72, The Five-Watter, SPRAT, etc etc and growing). Editors are now finding that setting up a "boiler plate" template using a desktop publishing program like MS Publisher and the "superest deal" at Dayton - the full Pagemaker program (\$80) makes editing a newsletter a little more manageable - am I correct editors???

Any comments on how we can do nice QRP like schematics, drawings for publication? Anyone have a "tailored" symbol library like Mike C. has. By the way I'm curious what programs NorCal QRP and New England QRP use when they publish designs from Wayne Burdick and Dave Benson?

73/72 Bob V01DRB/WA6ERB

At 16:44 6/8/96 -0400, you wrote:

>

>The "note below": OK, I won't insult your intelligence: it doesn't  
>take a "little" more work--it takes a lot more! The vast majority of  
>drawings in my Idea Exchange column in the QRP Quarterly are done on  
>my computer using KeyCAD, the DOS version, which KI6DS introduced me  
>to a couple years back. (The schematic library that comes with it is  
>woefully inadequate so I built up my own custom library; it is vastly  
>superior to the one that comes with the program. That's not bragging,  
>just objective, observable fact; anyone who has tried drawing with  
>the stock KeyCAD library knows how horribly limited it is!)

>

>It takes time to draw up the schematic or drawing, revise it a  
>few times to get it looking just right, scale it up to full page size  
>to get maximum resolution, print it out, shrink it way down to proper  
>size for the printed page using a photocopier that does reductions,  
>and cut and paste it onto camera ready copy. (It takes even more in  
>my case since I have to do a plot to disk file, then take that to



>work and print it on a laser printer.) Multiply that by 6 to 10  
>individual drawings per column, and it REALLY adds up.  
>  
>But the results are worth it, and I get occasional warm fuzzies from  
>the readers. Most important of all, it's still FUN for me to draw  
>things up on the computer...and when it stops being fun, you'll start  
>seeing hand drawn schematics again until someone volunteers to draw  
>them for me! And I absolutely guarantee that I will NEVER resort to  
>use of ASCII art, since that can take just as much time (or more) to  
>draw on the computer. About the only advantage I can see to ASCII  
>art is that it lets you send an entire article to an editor with  
>embedded graphics in an e-mail file. And anything that I get that  
>way gets redrawn in KeyCAD anyhow.  
>  
>There's certainly nothing wrong with hand drawn schematics (as well  
>as they're well done :-) ) and it's faster, much faster, and very  
>low tech. There's still the problem of shrinking it down to final  
>size, but reducing copiers are everywhere.  
>  
>As Bob Pease says, "All for now./Comments invited!"  
>  
>73 and Queue Our Pea DE WA8MCQ  
>  
>  
>  
>  
>  
>  
>  
>  
>

```
-----  
| Bob Gobrick - VO1DRB/WA6ERB/VE2DRB - Newfoundland, Canada |  
| QRPer Galore - ARCI, GQRP, NORCAL, NEQRP, COQRP, MIQRP, NWQRP |  
| Internet:      rgobrick@nfld.com |  
|                bgobrick@nlnet.nf.ca |  
| Compuserve:   70466.1405@compuserve.com |  
|-----|
```

From owner-qrp-1@Lehigh.EDU Mon Jun 10 09:07:56 1996  
From: wb8ygg@juno.com (Bradley S. Mitchell)  
Subject: [9583] Re: QRP Yellow Pages Corrections #1  
Message-ID: <19960608.141517.10575.0.WB8YGG@juno.com>

How About including Embedded Research in the Yellow Pages?

Embedded Research  
P.O. Box 92492  
Rochester, NY  
14692

E-mail gmdsr@vivanet.com  
Web Page: <http://www.vivanet.com/~gmdsr>

Products: AK-1 Memory Keyer Kit  
ER-224 Replacment Filter for Argosy model  
224 Audio CW filter, no longer produced by Ten

Tec.

Regards, Brad Mitchell WB8YGG

On Sat, 8 Jun 1996 14:01:25 -0400 QRPBOOK@aol.com writes:

>Electronic Data Book for Homebrewers and QRPers including QRP Yellow  
>Pages.  
> Books are being sent out daily. Here is a list of corrections to the  
>Yellow  
>Pages.  
>  
>Please notify Five Watt Press of any corrections that should be made  
>to the  
>Data Book.  
>  
>QRP Yellow Pages:  
>  
>Page 7 Place check mark under "Solar Equipmen" for SunLight  
>Energy.  
>Page 10 EMTECH address is 3641A Preble St., Bremerton, WA 98312  
> 360-415-0804.  
>Page 13 Mark V Electronics seems to have customer service problems.  
>Page 15 E-mail address for OHR (6/96): ohrqrp@net1com.net  
>  
>QRP Club listings:  
>  
>Page 20 Colorado QRP Club address should be changed to Box 371883,  
>Denver, CO 80237-1883. All other information is correct. Note:  
>Low Down  
>information still goes to the address shown in the book.  
>  
>  
>Five Watt Press  
>QRPBOOK@aol.com  
>Fax: 800-344-0740

>  
>  
>  
>  
>  
>

From owner-qrp-1@Lehigh.EDU Mon Jun 10 09:07:56 1996  
From: "W. Daniel, 9V1ZV" <daniel@pandora.lugs.org.sg>  
Subject: [9585] re: Real meaning of QRP  
Message-ID: <31bb1f00.pandora@pandora.lugs.org.sg>

Well gang,

I understand how some of you feel about "true" QRP vs. QRO/QRP etc. Myself, I've not really had the QRO/QRP linkup BUT I would certainly not want to keep people out of QRP because they, in a moment of weakness, thought maybe a little more power might help make it more fun. Of course I am not advocating this in contest situations but I do look at this thing as a fun kind of a thing. Lets all be friendly, if the fella wants some QRO to make his QRP a little easier, let him be. Maybe he will have so much fun with the QRP part he will go QRP all the way. I mean it would be really sad if someone came up and started saying that unless we all used straight keys, we would not be true QRP, or if we were going under 35 WPM (which I like), we would not be truly working QRP. Sure, there are some weird people out there but the thing I like most about this crowd is their adaptiveness, their willing to put up with someone a little different. Heck, if someone was working 5.1 watts, I'd say he was QRP. I remember workin a chap who said he was QRP and then told me he was 10 watts. I suppose, even though he may not be "legal" QRP, he certainly had the QRP "spirit" considering most poeple would be at 100 watts. Hope you guys get the drift :-)

73 or 72, or 74, what the heck! Have fun!

73 de 9V1ZV Daniel

--

Daniel Wee | daniel@pandora.lugs.org.sg  
9V1ZV | daniel.wee@f516.n600.z6.fidonet.org

From owner-qrp-1@Lehigh.EDU Mon Jun 10 09:07:56 1996  
From: Hank Kohl <k8dd@sun.tir.com>  
Subject: [9578] Re: The real meaning of working QRP  
Message-ID: <9606091559.AB20810@tir.com>

At 10:47 06/08/96 -0700, Bruce & Art wrote:

>> One man's wimp is another's example of a truly pragmatic DXer! Did you at  
>> least ask him to listen for you QRP?

>.....

>Either you work the station QRP or you don't. You may think it is ok to  
>establish contact QRO and then QRP (verb) to a QRP (adjective) power level when  
>you operate QRP (noun). That is ok. . . for you! But not for me.

>

>How does the rest of the QRPers feel about this?

Kind of like a list operation on 14226! Yes, you get the QSL card. But the  
way I see it, that is a QSL card that you could have taken from a sample pack  
and filled out and put on the wall!

I've never put all my QRP DX cards in a pile and counted them up - there are  
some really neat (and semi-rare) ones, but none of them have ever been done  
with "help" - i.e. Using QRO to get his attention, List, or having someone say  
"hey, listen for my QRP friend".

To quote Art - That is ok. . . for you! But not for me.

73 Hank K8DD

*/	Hank Kohl	K8DD	k8dd@ttr.com
*/	MI-QRP	QRP-ARCI	G-QRP NorCal
*/	ARRL/LM	QCWA/LM	QCAO/LM

From owner-qrp-1@Lehigh.EDU Mon Jun 10 09:07:56 1996  
From: Werner Jochem <Werner.Jochem@hoexter.netsurf.de>  
Subject: [9587] Re: TUNIN' WID A FANCY RIG  
Message-ID: <31BB2294.3014@hoexter.netsurf.de>

Paul R. Valko wrote:

>

> On Tue, 4 Jun 1996, David Kreinberg wrote:

>

> > Now, on to the technical stuff: Having never owned  
> > a rig with digital tuning, I feel kind of intimidated  
> > with how one accurately tunes a CW station.

>

> Dave, a frequency display doesn't mean squat. What is important is  
> that your TX offset is somewhere around 700hz and you tune the signal for  
> a comfortable (700Hz or so) sound. I think you may be concerned over a  
> non issue, even if you are a couple hundred hertz either way of the

```
> station you are tuning in on it won't mean much. Nobody in there right
> mind calls CQ with a DSP unit set to 25Hz. The passband you are
> probably shooting for is somewhere between 2400 and 500 hertz.
```

Hi Paul and the group,

I can't agree, that it won't mean much "if you are a couple hundred hertz either way of the station you are tuning in". In fact it can mean a lot of grm.

Usual CW filters have a bandwidth of 500 and 250 Hz. And with my switched capacitor filter I can go down to 100 Hz bandwidth if necessary. If a station answers my call 500 Hz up, I will tune my RIT to this frequency. If a third station is asking for "qrl?" on my transmitting frequency, I will not hear that and we will get a lot of trouble on that frequency.

I have to say that especially many qrp stations do have great difficulties to zero beat another stations signal. Even when replying "PSE QNZ" or "PSE QSY ON MY FREQ", "PSE UP/DWN ... HZ" many operators seem to be unable to do so. I for my part refuse to have qso with stations more than 300 Hz away from my frequency. Maybe you will ask now: "Why don't \*you\* qsy to the other stations frequency?" Because my experience is that if doing so, the other station will shift again its frequency. Obviously many operators don't know the difference between a RIT and a VFO tuning knob.

So be aware: it's a great step to a successful contact, to answer a call as close to the calling frequency as possible.

73/72 Joe

DK7VW

ARRL \* DARC \* AGCW-DL \* DIG \* G-ORP-CLUB \* HSC

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